R3-2005-0035
Big Basin WWTP

Monthly eSMR SUMMARY

Expected Requirements:

M-001		
Flow	1 / Day	MGD
Enterococci	1 / Day	MPN/100 mL
Settleable Solids	1 / Day	ml/L
Total Coliform	1 / Month	MPN/100 mL
Fecal Coliform	1 / Month	MPN/100 mL
Chlorine, Total Residual	1 / Month	mg/L
Total Suspended Solids (TSS)	1 / Month	mg/L
Total Suspended Solids (TSS)	1 / Month	lb/day
Acute Toxicity	1 / Month	Pass/Fail (Pass = 0, Fail = 1)
Chronic Toxicity	1 / Month	TUc
Dissolved Oxygen	1 / Month	mg/L
Ammonia Nitrogen, Total (as N)	1 / Month	mg/L
Ammonia Nitrogen, Unionized (as N)	1 / Month	mg/L
Ammonia Nitrogen, Unionized (as N)	1 / Month	lb/day
Total Kjeldahl Nitrogen (as N)	1 / Month	mg/L
Nitrate Nitrogen, Total (as N)	1 / Month	mg/L
Nitrite Nitrogen, Total (as N)	1 / Month	mg/L
Methylene Blue Active Substances (MBAS)	1 / Month	mg/L
Methylene Blue Active Substances (MBAS)	1 / Month	lb/day
M-INF		
Flow	1 / Day	MGD
Biochemical Oxygen Demand (BOD) (5-day @ 20 Deg. C)	1 / Week	mg/l
Total Suspended Solids (TSS)	1 / Week	mg/l
R-0W1		
Ammonia Nitrogen, Total (as N)	1 / Month	mg/L
Ammonia Nitrogen, Unionized (as N)	1 / Month	mg/L
pH	1 / Month	SU
Temperature Difference Between Intake and Discharge (Deg. F)	1 / Month	Degrees F
Dissolved Oxygen	1 / Month	mg/L
Nitrite Nitrogen, Total (as N)	1 / Month	mg/L
R-0W3		
Ammonia Nitrogen, Total (as N)	1 / Month	mg/L
Ammonia Nitrogen, Unionized (as N)	1 / Month	mg/L

pH	1 / Month	SU
Temperature Difference Between Intake and Discharge (Deg. F)	1 / Month	Degrees F
Dissolved Oxygen	1 / Month	mg/L
Nitrite Nitrogen, Total (as N)	1 / Month	mg/L

Using Narratives Tab:

M-001
The wastewater shall be considered adequately disinfected if at some point in the treatment process, the median number of total coliform organisms does not exceed 2.2 per 100 mL in more than one sample in any 30-day period. The median value shall be determined from the bacteriological results of the last seven days for which analyses have been completed.

The wastewater shall be considered adequately disinfected if at some point in the treatment process, the number of total coliform organisms does not exceed 23 per 100 mL in more than one sample in any 30-day period.

The total time during which the total chlorine residual values are above 0.02 mg/L (instantaneous maximum value) shall not exceed 7 hours and 26 minutes in any calendar month. The Discharger may cease sampling after analysis detects no pollutants in 3 successive samples and after the UV system is fully operational.

No individual excursion from 0.02 mg/L shall not exceed 30 minutes. The Discharger may cease sampling after analysis detects no pollutants in 3 successive samples and after the UV system is fully operational.

The total time during which the pH values are outside the required range of pH values shall not exceed 7 hours and 26 minutes in any calendar month.
No individual excursion from the range of pH values shall exceed 60 minuters.
The maximum daily concentration shall not exceed 0.03 mg/L when hardness is greater than 100 mg/L.

The maximum daily concentration shall not exceed 0.0011 mg/L when hardness is less than 100 mg/L.

The maximum daily concentration shall not exceed 0.03 mg/L when hardness is greater than 100 mg/L.

The maximum daily concentration shall not exceed 0.01 mg/L when hardness is less than 100 mg/L.

The maximum daily concentration shall not exceed 0.4 mg/L when hardness is greater than 100 mg/L.

The maximum daily concentration shall not exceed 0.1 mg/L when hardness is less than 100 mg/L.

The maximum daily concentration shall not exceed 0.2 mg/L when hardness is greater than 100 mg/L.

The maximum daily concentration shall not exceed 0.004 mg/L when hardness is less than 100 mg/L.

Using Raw Data Tab:

Parameter	Frequency	Units
R-0W1 & R-0W3		
Temperature Difference Between Intake and Discharge (Deg. F)	1 / Month	Deg F